Safeguards and Security

Program Mission

In FY 2001, the Safeguards and Security budget request for all Departmental elements was submitted by the Office of Security and Emergency Operations. In the FY 2001 Conference Appropriations Report, the conferees directed that responsibility for safeguards and security activities rests with the line programs. Funding was appropriated accordingly. In FY 2002, the Safeguards and Security budget has been integrated into the Environmental Management budget request to support the programmatic mission.

The mission of the Defense Environmental Restoration and Waste Management, Safeguards and Security program, is to ensure appropriate levels of protection against: unauthorized access, theft, diversion, loss of custody, or destruction of Department of Energy assets and hostile acts that may cause unacceptable adverse impacts on national security or the health and safety of DOE and contractor employees, the public or the environment. Each site has a tailored protection program as analyzed and defined in their Site Safeguards and Security Plan or other appropriate site security plan(s).

The non-closure Environmental Management (EM) sites are engaged in environmental restoration, waste management and related scientific and environmental research. These sites provide the Nation with innovative nuclear technologies and unique scientific and engineering capabilities in non-nuclear programs that provide commercialization potential or enhance the quality of the environment. Some areas of primary emphasis are nuclear reactor technology research and development, development of waste management technologies, research into advanced energy production, technology transfer and non-nuclear research and development projects. Receipt, storage, management, and ultimate disposal of foreign and domestic research reactor spent nuclear fuel is a recent addition to some site missions.

Some EM facilities secure large amounts of weapons grade special nuclear materials left over from the cold war production program. In many cases these materials are weapons-usable with little additional processing. Material processing activities are now restricted to those processing activities required for waste disposition, safe storage or offsite shipment. Therefore, while these facilities continue to require stringent materials protection and control programs, safeguards requirements do not currently mandate extensive materials characterization and accounting programs. These sites do continue to store a wide array of special nuclear materials from pure metals and oxides to spent nuclear fuel and transuranic wastes. This wide diversity of material necessitates a graded approach to safeguards and security. This concept is designed to provide varying degrees of physical protection, accountability, and material control to different types, quantities, physical forms, and chemical or isotopic composition of nuclear materials consistent with the risks and consequences associated with threat scenarios. These sites are involved in long-term transition to deactivate old weapons production and nuclear energy facilities. This involves decontamination and decommissioning activities to eliminate and/or stabilize hazardous materials.

Characteristically, these facilities tend to have "Islands of Security" secured by protective forces and access control systems, rather than large site-wide security perimeters. The protective forces are typically composed of Security Police Officer Levels 1 and 2. Their duties range from manning fixed posts for access control, routine security patrols and law enforcement type response requirements. Several of these sites have requirements for the higher level of skills called for by the Level 3 trained and qualified protective forces; this requirement is necessitated by the weapons grade nuclear material still resident at those facilities. The "Islands of Security" make the remainder of the site more accessible to uncleared contractors and allow for reduced access control requirements and conversely reduced security costs. These sites typically have more personnel with L level access authorizations than Q level and only limited numbers of personnel are required to be enrolled in human reliability programs. The electronic security systems, while still required to be robust and effective, do not require the additional levels of protection demanding biometrics. Classified holdings generally consist of information up to and including Secret Restricted Data.

This budget is prepared on a comparable basis. However, it should be noted, the FY 2002 Environmental Management Safeguards and Security budget supports the Advanced Test Reactor at Idaho (funds appropriated in FY 2001 in the National Nuclear Security Administration's budget) and the "Work for Others" program (funds appropriated in FY 2001 in the Departmental Administration's budget). These additional requirements are a critical/integral part of EM's program mission.

Program Goal

The goal of the Safeguards and Security program is to conduct varied mission responsibilities with a constant concern and to ensure adequate resources and cost-effective security programs for protecting the health, welfare, and safety of employees, the public, and preserve our national environment. This includes identifying and implementing protection programs for physical, cyber and personnel security capable of assuring graded safeguards and protection of security interests from theft, sabotage, and other detrimental acts associated with special nuclear material of EM programs.

Program Objectives

- Perform security assessments to evaluate present and future security requirements.
- Provide for Security Awareness.
- Ensure a safe, secure, and environmentally sound work place for all employees, assuring the cost-effective completion of work scope and deliverables, and compliance with safeguards and security requirements.
- Provide levels of protection in a tailored manner with potential risks.
- Maintain balance between EM's security and operation mission.

Performance Measures

One way EM is ensuring success is to establish and manage based on sound performance measures. The EM program has been actively incorporating the requirements of the Government Performance and Results Act into its planning, budgeting, and management systems. At the programmatic level, these requirements are reflected in "corporate" performance measure and key milestone reporting and tracking. The EM management uses the corporate performance measures along with other site-specific and project-specific objectives on an annual basis to ensure that progress is being made toward EM's goal of site closure and project completion.

Significant Accomplishments and Program Shifts

In FY 2002, security mission at the various sites may necessitate shifts in operational needs from a project and security standpoint. Flexibility will be required to accommodate these changing needs.

Metrics Summary

	FY 2000	FY 2001	FY 2002
There are no quantifiable corporate performance measures associated with these projects.			

Funding Profile

(dollars in thousands)

	FY 2000 Comparable Appropriation	FY 2001 Original Appropriation	FY 2001 Adjustments	FY 2001 Comparable Appropriation	FY 2002 Request
Safeguards and Security	196,554	203,748	(752)	202,996	205,621
Total, Defense Safeguards and Security . .	196,554	203,748	(752)	202,996	205,621

Public Law Authorization:

Public Law 95-91, "Department of Energy Organization Act (1977)"

Public Law 96-368, "West Valley Demonstration Project Act of 1980"

Public Law 103-62, "Government Performance and Results Act of 1993"

Public Law 106-398, "The National Defense Authorization Act for Fiscal Year 2001"

Funding by Site

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Carlsbad Field Office/WIPP	2,725	2,798	2,550	-248	-8.9%
Idaho					
Grand Junction Office	370	422	228	-194	-46.0%
Idaho National Engineering and Environmental Laboratory	35,412	34,380	34,346	-34	-0.1%
Total, Idaho	35,782	34,802	34,574	-228	-0.7%
Oak Ridge					
East Tennessee Technology Park	13,889	11,435	11,476	41	0.4%
Paducah	1,597	2,170	2,408	238	11.0%
Portsmouth	6,374	7,391	7,449	58	0.8%
Total, Oak Ridge	21,860	20,996	21,333	337	1.6%
Ohio					
West Valley	1,373	1,531	1,395	-136	-8.9%
Richland Operations Office	49,489	53,036	51,544	-1,492	-2.8%
Savannah River Operations Office	85,325	89,833	94,225	4,392	4.9%
Total, Defense Environmental Restoration and Waste Management, Safeguards and Security	196,554	202,996	205,621	2,625	1.3%

Detail Funding Profile

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Carlsbad Field Office/Waste Isolation Pilot Plant					
Protective Forces	2,403	2,447	2,231	-216	-8.8%
Physical Security	78	80	73	-7	-8.8%
Information Security	157	165	150	-15	-9.1%
Program Management	41	42	37	-5	-11.9%
Subtotal, Physical Security	2,679	2,734	2,491	-243	-8.9%
Personnel Security	46	64	59	-5	-7.8%
Total, Carlsbad Area Office	2,725	2,798	2,550	-248	-8.9%
Idaho/Grand Junction Office					
Protective Forces	251	282	100	-182	-64.5%
Physical Security	4	4	4	0	0.0%
Program Management	59	66	45	-21	-31.8%
Subtotal, Physical Security	314	352	149	-203	-57.7%

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Cyber Security	43	49	60	11	0.0%
Personnel Security	13	21	19	-2	-9.5%
Total, Idaho/Grand Junction Office	370	422	228	-194	-46.0%
Idaho Operations Office					
Protective Forces	20,078	19,423	19,254	-169	-0.9%
Physical Security	7,680	6,017	6,164	147	2.4%
Information Security	1,109	1,074	1,086	12	1.1%
Material Control and Accountability	1,943	2,033	2,040	7	0.3%
Program Management	1,012	1,258	1,250	-8	-0.6%
Subtotal, Physical Security	31,822	29,805	29,794	-11	0.0%
Cyber Security	2,524	2,824	2,841	17	0.6%
Personnel Security	1,066	1,751	1,711	-40	-2.3%
Total, Idaho Operations Office	35,412	34,380	34,346	-34	-0.1%
Oak Ridge/East Tennessee Technology Park					
Protective Forces	9,559	7,947	8,296	349	4.4%
Physical Security	1,518	1,246	1,135	-111	-8.9%
Information Security	789	562	512	-50	-8.9%
Material Control and Accountability	738	567	517	-50	-8.8%
Program Management	561	424	387	-37	-8.7%
Subtotal, Physical Security	13,165	10,746	10,847	101	0.9%
Cyber Security	279	526	480	-46	-8.7%
Personnel Security	445	163	149	-14	-8.6%
Total, Oak Ridge/East Tennessee Technology Park	13,889	11,435	11,476	41	0.4%
Oak Ridge/Paducah					
Protective Forces	989	1,076	1,043	-33	-3.1%
Physical Security	95	117	480	363	310.3%
Information Security	229	592	510	-82	-13.9%
Material Control and Accountability	144	194	192	-2	-1.0%
Program Management	67	133	137	4	3.0%
Subtotal, Physical Security	1,524	2,112	2,362	250	11.8%
Personnel Security	73	58	46	-12	-20.7%
Total, Oak Ridge/Paducah	1,597	2,170	2,408	238	11.0%
Oak Ridge/Portsmouth					
Protective Forces	4,757	5,714	5,799	85	1.5%
Physical Security	129	135	143	8	5.9%
Information Security	565	587	570	-17	-2.9%
Material Control and Accountability	341	346	340	-6	-1.7%

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Program Management	345	358	364	6	1.7%
Subtotal, Physical Security	6,137	7,140	7,216	76	1.1%
Cyber Security	146	160	147	-13	-8.1%
Personnel Security	91	91	86	-5	-5.5%
Total, Oak Ridge/Portsmouth	6,374	7,391	7,449	58	0.8%
Ohio/West Valley					
Protective Forces	759	1,017	927	-90	-8.9%
Physical Security	20	30	27	-3	-10.0%
Program Management	417	280	255	-25	-8.9%
Subtotal, Physical Security	1,196	1,327	1,209	-118	-8.9%
Cyber Security	177	204	186	-18	-8.8%
Total, Ohio/West Valley	1,373	1,531	1,395	-136	-8.9%
Richland Operations Office					
Protective Forces	23,889	23,297	21,653	-1,644	-7.1%
Physical Security	6,648	6,431	6,167	-264	-4.1%
Information Security	4,234	3,827	3,611	-216	-5.6%
Material Control and Accountability	2,869	2,841	2,726	-115	-4.0%
Program Management	6,568	11,095	12,037	942	8.5%
Subtotal, Physical Security	44,208	47,491	46,194	-1,297	-2.7%
Cyber Security	1,987	2,396	2,319	-77	-3.2%
Personnel Security	3,294	3,149	3,031	-118	-3.7%
Total, Richland Operations Office	49,489	53,036	51,544	-1,492	-2.8%
Savannah River Operations Office					
Protective Forces	47,094	47,975	52,873	4,898	10.2%
Physical Security	10,004	9,854	9,184	-670	-6.8%
Information Security	2,092	2,250	2,070	-180	-8.0%
Material Control and Accountability	4,701	5,222	4,827	-395	-7.6%
Technology Development	363	324	301	-23	-7.1%
Program Management	15,568	18,360	18,836	476	2.6%
Subtotal, Physical Security	79,822	83,985	88,091	4,106	4.9%
Cyber Security	2,384	2,542	2,367	-175	-6.9%
Personnel Security	3,119	3,306	3,767	461	13.9%
Total, Savannah River Operations Office	85,325	89,833	94,225	4,392	4.9%
Subtotal, Defense Safeguards and Security	196,554	202,996	205,621	2,625	1.3%
Less: Security Charge for Reimbursable Work	0	-5,128	-5,391	-263	5.1%
Total, Defense Environmental Restoration and Waste Management, Safeguards and	196,554	197,868	200,230	2,362	1.2%

Carlsbad

Mission Supporting Goals and Objectives

Program Mission

The mission of the Defense Environmental Restoration and Waste Management, Safeguards and Security program carried out by the Carlsbad Field Office, is to provide security services to the facilities, properties, and programs at the Waste Isolation Pilot Plant in its mission to safely dispose of DOE defense generated transuranic waste.

Program Goal

The goal is to provide a security program that includes management administration and planning, inspection, self-assessment and a documentation program implementing the requirements of DOE-Orders and policies for security disciplines. This will include staffing, and liaison with local authorities to address threats identified in security assessments and comply with the DOE-approved Waste Isolation Pilot Plant Security Plan.

Program Objectives

The program objectives include, but are not limited to:

- Perform security assessments to evaluate present and future security needs for the Waste Isolation Pilot Plant facilities.
- Provide for a certified contractor counterintelligence office.
- Provide a Personnel Security Program.
- Provide a trained protective force.
- Provide for security awareness.
- Provide a drug detection and incident program.
- Comply with the DOE-approved Waste Isolation Pilot Plant Security Plan.

Significant Accomplishments and Program Shifts

Security missions may necessitate shifts in operational needs from a project and security standpoint. Flexibility will be required to accommodate these changing needs.

Funding Schedule

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
CB-SS-D / Carlsbad Safeguards and Security	2,725	2,798	2,550
Total, Carlsbad	2,725	2,798	2,550

Funding by Site

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Waste Isolation Pilot Plant	2,725	2,798	2,550	-248	-8.9%
Total, Carlsbad	2,725	2,798	2,550	-248	-8.9%

Site Description

Waste Isolation Pilot Plant

The Waste Isolation Pilot Plant is the nationally designated repository for defense generated transuranic radioactive waste. The Plant is situated on a 10,240-acre reserve located in the southeastern corner of New Mexico, about 26 miles east of Carlsbad, New Mexico. Its mission is to safely dispose of DOE's defense generated transuranic waste.

Detailed Program Justification

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
CB-SS-D / Carlsbad Safeguards and Security	**2,725**	**2,798**	**2,550**
Physical Security	2,679	2,734	2,491

(dollars in thousands)

FY 2000	FY 2001	FY 2002

- Protective Forces - The security program has been developed to meet or exceed applicable DOE security requirements, as detailed in DOE-Albuquerque Orders and supplements. The security program addresses threats that are identified in security assessments and complies with the DOE/Carlsbad Field Office approved Waste Isolation Pilot Plant Security Plan. The Waste Isolation Pilot Plant is designated a Property Protection Area and is subject to physical protection criteria contained with DOE Order 5632.1C, Protection and Control of Safeguards and Security Interests. This activity includes, but is not limited to, salaries, overtime, benefits, materials and supplies, equipment and facilities, training, communications, equipment, and management.
- Security Protection Systems - The Waste Isolation Pilot Plant is designated a Property Protection Area and is subject to physical protection criteria contained within DOE Order 5632.1C, Protection and Control of Safeguards and Security Interests. The physical security protection systems criteria includes barriers, secure storage, locks, and entry and access controls. Performance testing, intrusion detection and assessment, explosive detection, vital components and tamper safe monitoring, and escorts are not required at the Waste Isolation Pilot Plant site. The Waste Isolation Pilot Plant Property Protection Area contains a perimeter fence that is maintained and inspected periodically. The barrier contains one main entrance/egress, which is manned 24 hours, and three alternate entrances/egresses, which are locked unless work is in progress or an emergency requires access. During those circumstances the entrances/egresses are manned. The Plant's site maintains a key, lock, and combination control system. The key, lock, and combination support is also provided at the Plant's facilities located in town. This system includes facility doors, file cabinet locks, desk locks, gates, etc. Entry and access controls are administered at the Waste Isolation Pilot Plant site for personnel and vehicle access. For personnel access, the DOE standard identification system is in place and complies with DOE Order 5632.1C. The system provides a visible means of identifying authorized personnel entering or leaving the facilities. Hand carried articles are subject to random inspections as selected using a randomizer.
- Information Systems - The Waste Isolation Pilot Plant site does not contain classified materials and has obtained a waiver from the Operational Security program. The Waste Isolation Pilot Plant site maintains an information security program for foreign travel. All official foreign travel by DOE and contractors is approved locally and entered into the Foreign Travel Management System for Headquarters final approval. The Waste Isolation Pilot Plant maintains a computer security program. The site has designated an Information System Site Security Manager per OMB Circular A-130,Computer Security Act, and DOE Notices 205.1, 205.2, and 205.3. The Information System Site Security Manager is responsible for implementing the computer Protection Plan; mandates the course of action to address OMB Circular A-130, and privacy act compliance at the Waste Isolation Pilot Plant site; ensures adherence to OMB Circular A-130; and develops a risk based, cost effective approach to an unclassified computer security program policy.

(dollars in thousands)

FY 2000	FY 2001	FY 2002

Program Management - The Waste Isolation Pilot Plant security program provides security services for all site facilities, properties, and programs. The security program addresses threats identified security assessments and complies with the DOE approved security plan. Management of the DOE/Carlsbad Field Office approved security programs includes planning, implementation, and administration of physical and intellectual security for the Waste Isolation Pilot Plant site and facilities. Other responsibilities include: professional development and training for the officers and staff; inspections, surveys, or assessments; maintaining compliance with regulations; providing responses to management requests regarding foreign ownership, control or influence; serving as a liaison with the Federal Bureau of Investigation, District Attorney, State police, county sheriffs, and other local law enforcement entities regarding security and law enforcement for the Waste Isolation Pilot Plant complex; developing contract statements of work, performance measures and indicators; and serving as the contractor counterintelligence officer for the Waste Isolation Pilot Plant governmental agencies for Memorandums of Understanding, Joint Powers Agreement, Mutual Aid Agreements, and other cooperative agreements regarding security.

Personnel Security	46	64	59

The Waste Isolation Pilot Plant site maintains a clearance program in accordance with DOE Order 472.1B, Personnel Security Activities. Its security prepares all of the required documentation for processing a clearance. Upon clearance approval, the Waste Isolation Pilot Plant security provides a comprehensive security briefing and completes the required documentation. The site maintains a Security Awareness program for the cleared personnel as required by DOE Order 470.1, CRD Contractor Safeguards and Security Program Requirements.

Visit control is administered by the Waste Isolation Pilot Plant security utilizing the DOE standard identification system. Visits are monitored and controlled by a log in/out system. Visitor badges and instructions are provided by the Waste Isolation Pilot Plant security. Escorts supporting visitors are provided instructions by the Waste Isolation Pilot Plant security and are required to report problems or issues immediately.

Total, Carlsbad	**2,725**	**2,798**	**2,550**

Explanation of Funding Changes From FY 2001 to FY 2002

FY 2002 vs. FY 2001 ($000)
CB-SS-D / Carlsbad Safeguards and Security
# Decrease in funding reflects funding of higher EM programmatic priorities.	-248

Total Funding Change, Carlsbad	-248

Idaho

Mission Supporting Goals and Objectives

Program Mission

The mission of the Defense Environmental Restoration and Waste Management, Safeguards and Security program carried out by the Grand Junction Office, is to ensure appropriate levels of protection for Grand Junction facilities against unauthorized access and other hostile acts that may cause unacceptable impacts on national security or on the health and safety of employees, the public, or the environment.

The mission carried out by the Idaho Operations Office, is to support environmental restoration, waste management, and related scientific and environmental research programs at the Idaho National Engineering and Environmental Laboratory. The Idaho National Engineering and Environmental Laboratory provides the nation with innovative nuclear technologies, and unique scientific and engineering capabilities in non-nuclear programs that furnishes commercial potential or enhance the quality of the environment. Some areas of primary emphases are nuclear reactor technology research and development, development of waste management technologies, technology transfer and non-nuclear research and development projects. A recent addition to the Idaho National Engineering and Environmental Laboratory mission is the receipt, storage, management, and ultimate disposal of foreign and domestic research reactor spent nuclear fuel.

The Idaho National Engineering and Environmental Laboratory facilities secure large amounts of special nuclear fuel. Material processing activities are now restricted to that processing required for waste disposition, safe storage or off-site shipment. The Idaho National Engineering and Environmental Laboratory continues to implement stringent materials protection and control programs. The wide diversity of materials necessitates a graded approach to safeguards and security. This concept is designed to provide varying degrees of physical protection, accountability, and material control to different types, quantities, physical forms, and chemical or isotopic composition of nuclear materials consistent with the risks and consequences associated with threat scenarios.

The Idaho National Engineering and Environmental Laboratory has changed from large site-wide security perimeters to Islands of Security protected by protective forces. The protective forces are made up of Security Police Officers II and III. Their duties range from manning fixed posts for access control to routine security patrols and special response forces for protecting Category I and II quantities of special nuclear material. The Islands of Security make the remainder of the site more accessible to uncleared employees and contractors for reduced access control requirements and conversely reduced security costs. It also allows reduction of clearances and reduces the number of personnel requiring enrollment in human reliability programs. The security alarm systems are required to be robust and effective to ensure adequate protection levels. Classified holdings generally consist of information up to and including Secret Restricted Data.

Program Goal

The safeguards and security goal at the Grand Junction Office is to ensure adequate resources for a cost-effective security program to meet DOE's safeguards and security requirements.

The safeguards and security goal for the Idaho National Engineering and Environmental Laboratory is to ensure adequate resources cost-effective security programs to meet DOE's safeguards and security requirements. This includes protection of nuclear materials, classified and unclassified sensitive information, and numerous facilities in accordance with the Site Safeguards and Security Plan.

Program Objectives

The objective of the safeguards and security program at the Grand Junction Office and the Idaho National Engineering and Environmental Laboratory is to protect personnel and property at a level consistent with the risk. Since Grand Junction has no classified material and clearances are not needed to access any location on-site, the risk is low.

Significant Accomplishments and Program Shifts

- With the transition of the Grand Junction Office site to a private entity in February 2001, the safeguards and security program changed. The site now has an "open campus" concept. However, some level of security is needed, for nights and weekends when there are few people on the site. Card readers and intrusion alarms have been installed on all entrances to the buildings DOE occupies. Cyber security is being provided at the same level. Badging is still required for all employees and visitors.
- Received satisfactory rating on the DOE Office of Assessment Security Survey at the Idaho National Engineering and Environmental Laboratory.
- Renegotiated the Protective Forces Union contract for the period of May 28, 2000, through August 28, 2005, at the Idaho National Engineering and Environmental Laboratory.
- Updated the Idaho National Engineering and Environmental Laboratory Site Safeguards and Security Plan.
- Updated the Material Control and Accountability Plan at the Idaho National Engineering and Environmental Laboratory.
- Established a cyber security technical program and implemented major new requirements in the past two years at the Idaho National Engineering and Environmental Laboratory.
- This budget is prepared on a comparable basis. However, in prior years, the "Work for Others" program for the Idaho National Engineering and Environmental Laboratory was supported through overhead expenses. In FY 2001, the funds to support this program were appropriated in the Departmental Administration's budget and in FY 2002 funding is requested in the EM budget.

This budget is prepared on a comparable basis. However, in FY 2001 funds for the Advanced Test Reactor were appropriated in the National Nuclear Security Administration's budget. In FY 2002, funding is requested in the EM budget.

Funding Schedule

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
IDGJ-SS-D / Grand Junction Safeguards and Security	370	422	228
ID-SS-D / Idaho Safeguards and Security	35,412	34,380	34,346
Total, Idaho	35,782	34,802	34,574

Funding by Site

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Grand Junction Office	370	422	228	-194	-46.0%
Idaho National Engineering and Environmental Laboratory	35,412	34,380	34,346	-34	-0.1%
Total, Idaho	35,782	34,802	34,574	-228	-0.7%

Site Description

Grand Junction Office

The Grand Junction Office is located in the Grand Valley of western Colorado on a 56-acre site adjacent to the Gunnison River and immediately south of the city of Grand Junction. The office provides the scientific, technical, engineering and project integration skills to support national environmental restoration, geophysical, and energy programs. Its mission is to perform environmental remediation and long-term surveillance activities across the DOE complex; provide quality services supporting other DOE and Federal missions in a safe, cost-effective, and efficient manner; and perform long-term environmental stewardship of inactive and surplus DOE facilities. When the site transferred to a private entity in February 2001, the safeguards and security program changed, but the Grand Junction Office mission has remained the same.

Idaho National Engineering and Environmental Laboratory

The Idaho Operations Office is responsible for ensuring that the facilities under its cognizance, primarily Idaho National Engineering and Environmental Laboratory, meet all DOE safeguards and security requirements. The Idaho National Engineering and Environmental Laboratory covers 571,000 acres in a rural, sparsely populated sector of southeastern Idaho. The eastern boundary is 23 miles west of Idaho Falls. The Idaho National Engineering and Environmental Laboratory also occupies numerous buildings in Idaho Falls. The Laboratory is a multi-program laboratory whose primary mission is to provide the nation with innovative nuclear technologies and with unique scientific and engineering capabilities in non-nuclear programs that provide commercialization potential or enhance the quality of the environment. Areas of primary emphasis include waste management and environmental restoration, advanced energy production, defense-related support, safety and health, technology transfer, education, and non-nuclear research and development projects.

Detailed Program Justification

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
IDGJ-SS-D / Grand Junction Safeguards and Security	**370**	**422**	**228**
Physical Security	314	352	149
# Provides support for operational and security equipment, procedures used to protect facilities, information documents and/or material against theft, sabotage, diversion, or other criminal acts. This includes program management, physical security protection systems, and physical protective forces.			
Cyber Security	43	49	60
# Provides for cyber security processes, methods, and tools to support certification and accreditation of secure and sensitive enterprise networks; continue implementation of low-risk technologies; support computer security, communications security and cyber infrastructure.			
Personnel Security	13	21	19
# Provide technical and administrative support for access authorization, personnel security assurance program, safeguards and security awareness, special access program, site/facility access programs, and control of visits.			
ID-SS-D / Idaho Safeguards and Security	**35,412**	**34,380**	**34,346**
This program is responsible for the entire Safeguards and Security Program at the Idaho National Engineering and Environmental Laboratory.			
Physical Security	31,822	29,805	29,794

(dollars in thousands)

FY 2000	FY 2001	FY 2002

- # Physical Protective Forces - provides protection of safeguards and security interests from theft, diversion, industrial sabotage, radiological sabotage, toxicological sabotage, espionage, unauthorized access, loss, compromise, and other hostile acts, which may cause unacceptable adverse impacts on national security, program continuity, and the health and safety of employees, the public, or the environment.
- # Physical Security Protection Systems - ensure special nuclear material and classified matter is adequately protected; maintain the Central Alarm Stations; install and maintain the intrusion detection and assessment systems; perform corrective and preventive maintenance on vehicle barriers and security fencing around Building CPP-651; provide engineering support, system administration, and corrective and preventive maintenance for the entry and access control systems at the Idaho National Engineering and Environmental Laboratory; and maintain a performance testing program and conduct Force-on-Force exercises to ensure the effectiveness of the Idaho National Engineering and Environmental Laboratory electronic and mechanical security systems.
- # Information Security - ensure classified and sensitive unclassified matter is adequately protected by providing classified matter protection and control, classification/declassification activities, technical surveillance countermeasures, and operations security.
- # Material Control and Accountability - manage, control, and account for all nuclear material within applicable DOE and Nuclear Regulatory Commission requirements. This is accomplished through a graded program that provides varying degrees of physical protection, accountability, and material control for varied levels of attractive materials by restricting access of nuclear material to possible adversaries.
- # Program Management - ensures spent nuclear fuel classified and sensitive unclassified matter, and government property are adequately protected by providing planning, professional training and development, and policy oversight and administration. Ensures Vulnerability Assessments are conducted to determine if spent nuclear material is adequately protected and to determine if necessary protection measures and physical upgrades are required. The Self-Assessment program ensures compliance with applicable DOE Orders and the Site Safeguards and Security Plans.

Cyber Security	2,524	2,824	2,841

- # Protects all computing resources and information using a risk-based priority method with emphasis on classified and sensitive unclassified data and minimizing public embarrassment typically associated with visible cyber incidents; communication security; and cyber infrastructure.

Personnel Security	1,066	1,751	1,711

(dollars in thousands)

FY 2000	FY 2001	FY 2002

Ensures that employees who have access to classified and unclassified sensitive information and/or spent nuclear fuel have the appropriate security clearances and special access program approvals, where required. The personnel security directives ensure that spent nuclear fuel and classified and sensitive unclassified information are adequately protected. The foreign national visit/assignment/employment program provides for the approval and oversight of non-United States citizens at the Idaho National Engineering and Environmental Laboratory. The program provides funding for implementation and maintenance of a security awareness program.

Total, Idaho	**35,782**	**34,802**	**34,574**

Explanation of Funding Changes From FY 2001 to FY 2002

	FY 2002 vs. FY 2001 ($000)
IDGJ-SS-D / Grand Junction Safeguards and Security	
# Decrease in funding reflects site transfer to a private entity in February 2001.	-194
ID-SS-D / Idaho Safeguards and Security	
# No significant change (0.1 percent).	-34
Total Funding Change, Idaho	-228

Oak Ridge

Mission Supporting Goals and Objectives

Program Mission

The mission of the Defense Environmental Restoration and Waste Management, Safeguards and Security program carried out by the Oak Ridge Operations Office, is to provide development, implementation, and oversight of the safeguards and security programs at the East Tennessee Technology Park in Oak Ridge, Tennessee, and the Gaseous Diffusion Plants in Paducah, Kentucky and Portsmouth, Ohio.

Program Goal

The program goal is to protect against unauthorized access, loss or theft of classified matter or government property; espionage; theft; diversion or loss of custody or destruction of special nuclear material; any other hostile acts that may cause unacceptable adverse impacts on national security of the health and safety of employees, the public, and the environment.

Program Objectives

The objective of the Safeguards and Security program is to protect against unauthorized access, loss or theft of classified matter or government property; espionage; theft diversion; loss of custody or destruction of special nuclear material or hostile acts that may cause unacceptable adverse impacts on national security or the health and safety of employees, the public, and the environment. The Safeguards and Security program shall ensure that all areas for which Bechtel Jacobs Company is responsible, maintain a high degree of readiness for DOE safeguards and security surveys and inspections.

- Establish and manage implementation of the processes and programs necessary to meet safeguards and security program requirements in applicable DOE Orders and Directives, including: nuclear material control and accountability, classification, information security, personnel security, physical security, security systems, protective forces, and operations security.
- Provide adequate protection levels in accordance with potential risks.
- Ensure safeguards and security interests are protected and controlled.

Significant Accomplishments and Program Shifts

Effective January 2000, a new contract for protective services at the Oak Ridge Reservation was awarded to Wackenhut Services, Inc. Prior to that time, Lockheed Martin Energy Systems was providing these services to the various contractors at Oak Ridge, including Bechtel Jacobs Company. Wackenhut Services, Inc. provides protective force operations, performance testing of equipment and systems, administration of the physical fitness program for the protective forces, crisis negotiations, participation in law enforcement training exercises, maintenance of all security motor vehicles and hand-held or mobil radios, inspection of government owned operating facilities, field testing of alarms and components, monitoring security boundaries and alarms, canine support, assistance with the development of the tactical defense and site security plans, and vehicle patrols, as appropriate.

ACCOMPLISHMENTS:

- Set up equipment (new CPUs, mux panels, revamped termination block for dedicated phone lines) to upgrade the Hirsch system to a level that would support the security alarms at the East Tennessee Technology Park. Transitioned all alarms from an obsolete computer system to an upgraded (Hirsch) system.
- Established Self-Assessment program, with dedicated individual to lead the program. Areas were identified for assessment and a schedule developed. Assessment reports are issued to responsible individuals, with findings tracked in the Bechtel Jacobs, Co. Issues and Corrective Actions tracking System.
- Initiated Authorized Derivative Classifier Recertification Program, as required by DOE M 475.1-1, Identifying Classified Information, for all East Tennessee Technology Park Authorized Derivative Classifiers. Each Authorized Derivative Classifier received a letter indicating the successful completion of the program requirements, the specific areas for which the Authorized Derivative Classifier may derivatively classify documents, and the extension of the Authorized Derivative Classifier's authority for a three-year period.
- Completed classification review of 75 boxes of 1940s East Tennessee Technology Park records in support of the NIOSH Multiple Myeloma Study.
- East Tennessee Technology Park consultant developed a video of the history of centrifuge and related classification issues. Video will be used for training purposes.
- Completed rebadging of all Bechtel Jacobs Company employees, subcontractors, and consultants.
- Installed network security software on the local area network Nuclear Materials Inventory System, in preparation for classified certification.
- Provided bibliographic data on thirteen East Tennessee Technology Park-generated documents for inclusion on the OpenNet database of documents declassified and approved for public release.
- Implemented a revised Vehicle Directive resulting in a 22 percent reduction in permanent vehicle passes.

PROGRAM SHIFTS:

- A significant change in responsibility for work performance occurred when Bechtel Jacobs Company began self-performing technical security functions at Paducah that were formerly handled by the United State Enrichment Corporation Security. The return of select facilities results in an increase of safeguards and security operations and decontamination and decommissioning portal planning activities.
- This budget is prepared on a comparable basis. However in prior years, the "Work for Others" program was supported through overhead expenses, in FY 2001, the funds to support this program were appropriated in the Departmental Administration's budget and in FY 2002, funding is requested in the EM budget.

Funding Schedule

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
OR-SS4-D / ETTP Safeguards and Security	13,889	11,435	11,476
OR-SS5-D / Paducah Safeguards and Security	1,597	2,170	2,408
OR-SS6-D / Portsmouth Safeguards and Security	6,374	7,391	7,449
Total, Oak Ridge	21,860	20,996	21,333

Funding by Site

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
East Tennessee Technology Park	13,889	11,435	11,476	41	0.4%
Paducah	1,597	2,170	2,408	238	11.0%
Portsmouth	6,374	7,391	7,449	58	0.8%
Total, Oak Ridge	21,860	20,996	21,333	337	1.6%

Site Description

East Tennessee Technology Park

The East Tennessee Technology Park, formerly known as the K-25 Plant, occupies 4,689 acres of the Oak Ridge Reservation. It is approximately 13 miles west from the main population of the city of Oak Ridge, Tennessee. The current site configuration is the product of past missions and programs, the most significant of which was the Oak Ridge Gaseous Diffusion Plant (K-25), which operated from the end of World War II until 1985. The current mission of the East Tennessee Technology Park is to re-industrialize and reuse site assets (facilities, equipment, materials, utilities, and trained workforce) through leasing of vacated facilities and incorporation of commercial industrial organizations as partners in the ongoing environmental restoration, decontamination and decommissioning, waste treatment and disposal, and diffusion technology development activities. The ultimate goal is to transition from a federally-owned facility to a private industrial park. The security function at the East Tennessee Technology Park is responsible for implementing all safeguards and security activities.

Paducah Gaseous Diffusion Plant

The Paducah Gaseous Diffusion Plant, located just outside Paducah, Kentucky, is owned by DOE. Paducah's mission includes environmental cleanup and waste management; management of depleted uranium hexafluoride; and maintenance of non-leased buildings and grounds. The United States Enrichment Corporation enriches uranium for use in nuclear power reactors. The security aspect of the mission includes physical protection of government employees, property, classified and unclassified information through use of protective forces and physical security instrumentation, information security, cyber security, personnel security, material control and accountability, and program management.

Portsmouth Gaseous Diffusion Plant

The Portsmouth Gaseous Diffusion Plant, located in Piketon, Ohio (approximately 22 miles north of Portsmouth and 75 miles south of Columbus), is owned by DOE. Portsmouth's mission includes environmental cleanup and waste management; management of depleted uranium hexafluoride generated prior to privatization of the United States Enrichment Corporation in July 1998; completion of the highly-enriched uranium shutdown and removal program; and maintenance of non-leased buildings and grounds. The United States Enrichment Corporation enriches uranium for use in nuclear power reactors. The security aspect of the mission includes physical protection of government employees, property, classified and unclassified information through use of protective forces and physical security instrumentation, information security, cyber security, personnel security, material control and accountability, and program management. The United State Enrichment Corporation announced their intention to stop enrichment operations at Portsmouth in FY 2001, and DOE announced its intentions to initiate activities to place the facility in cold standby.

Detailed Program Justification

(dollars in thousands)

FY 2000	FY 2001	FY 2002

The safeguards and security functions are divided among the contractors at the various sites to include the East Tennessee Technology Park in Oak Ridge, Tennessee, and the Gaseous Diffusion Plants in Portsmouth, Ohio, and Paducah, Kentucky. The funds requested for FY 2002 will support safeguards and security activities: physical protection of government employees, property, classified and unclassified information through use of protective forces and physical security instrumentation, information security, cyber security, personnel security, material control and accountability, and program management.

OR-SS4-D / ETTP Safeguards and Security	**13,889**	**11,435**	**11,476**
Physical Security	13,165	10,746	10,847

- **#** Physical Security Protective Forces - provides the appropriate level of protection for classified matter, information, and government property, including monitoring of alarms and dispatch of response forces. In addition, resources are provided for compensatory measures while maintenance and/or repair is being performed on active systems. Protective Force personnel also monitor security boundaries, fences, gates, and other devices used to protect the installation and preclude unauthorized entry. They also operate the pedestrian and vehicle gates and portals for ingress/egress.
- **#** Physical Security Protection Systems - reflects the cost for development and implementation of physical security policies and procedures, preparation of physical security requirements documents, oversight of physical security enhancements, examination and certification of all vault-type rooms and security island outside the protected area, providing the automated access control systems and other security systems.
- **#** Information Security - includes the cost of providing classified matter protection and control programs and security infraction and incident programs, and the classification/declassification program.
- **#** Material Control and Accountability - includes the cost of providing oversight and management for nuclear control and accountability activities.
- **#** Program Management - contains the cost of the security manager and staff. The function performed by this organization is to provide overall leadership and guidance in performance and completion of security activities.

Cyber Security	279	526	480

- **#** Contains the cost of the unclassified and classified computer security tasks. Also includes computer security training, computer user awareness training, and conducting self-assessments as required.

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
Personnel Security	445	163	149

Provides for the cost of badging support for all East Tennessee Technology Park employees, subcontractors, and visitors; operation of the Visitor Control System; operation of the DOE Automated Visitor Access Control System; and review of all security clearance requirements and access determinations.

OR-SS5-D / Paducah Safeguards and Security	**1,597**	**2,170**	**2,408**
Physical Security	1,524	2,112	2,362

Physical Security Protective Forces - provides physical security for DOE retained facilities, including ingress/egress control, and protection of both personnel and property. Services are procured from the United States Enrichment Corporation.

Physical Security Protection Systems - reflects the cost for physical security protection systems for contractor and subcontractor employees. Includes development and implementation of physical security policies and procedures, preparation of physical security requirements documents, oversight of physical security enhancements, examination and certification of all vault-type rooms and security systems. Entry/access control services are procured from the United States Enrichment Corporation. Escorts are provided by a Bechtel Jacobs subcontractor.

Information Security - includes the cost of providing classified matter protection and control programs and security infraction and incident programs, and the classification/declassification program. Information protection services are provided by the United States Enrichment Corporation. Declassification/classification services are procured from a Bechtel Jacobs subcontractor.

Material Control and Accountability - includes the cost of providing oversight and management for nuclear control and accountability activities. Services are procured from the United States Enrichment Corporation.

Program Management - contains the cost of the security manager and staff. The function performed by this organization is to provide overall leadership and guidance in performance and completion of security activities. Services are provided by Bechtel Jacobs.

Personnel Security	73	58	46

Provides for the cost of badging support for all employees, subcontractors, and visitors; operation of the Visitor Control System; operation of the DOE Automated Visitor Access Control System; and review of all security clearance requirements and access determinations. Services are procured from the United States Enrichment Corporation.

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
OR-SS6-D / Portsmouth Safeguards and Security	**6,374**	**7,391**	**7,449**
Physical Security	6,137	7,140	7,216

Physical Security Protective Forces - provides the appropriate level of protection for classified matter, information, and government property, including monitoring of alarms and dispatch of response forces. In addition, resources are provided for compensatory measures while maintenance and/or repair is being performed on active systems. Protective Force personnel also monitor security boundaries, fences, gates, and other devices used to protect the installation and preclude unauthorized entry. They also operate the pedestrian and vehicle gates and portals for ingress/egress. Services will be performed by a subcontractor, United States Enrichment Corporation, under an existing work agreement between Bechtel Jacobs Company LLC and the United States Enrichment Corporation. The work agreement is renewed annually.

Physical Security Protection Systems - reflects the cost for development and implementation of physical security policies and procedures, preparation of physical security requirements documents, oversight of physical security for security interests retained by DOE as of October 1, 1999. Costs also include the inspection of all storage areas for classified information and special nuclear materials and the maintenance of a key and lock and security badging program. It is assumed that a subcontractor, the United States Enrichment Corporation, will provide these services.

Information Security - includes the cost of providing classified matter protection and control programs and security infraction and incident programs, and the classification/declassification program and the Large-Scale Classification Review program. It is assumed that the classification/declassification program will be performed by subcontractor personnel including support from the United States Enrichment Corporation.

Material Control and Accountability - includes the cost of providing oversight and management for nuclear control and accountability activities. It is assumed that a subcontractor, United Sates Enrichment Corporation, will provide these services.

Program Management - contains the cost of the security manager and staff. The function performed by this organization is to provide overall leadership and guidance in performance and completion of security activities of the Bechtel Jacobs Company.

Cyber Security	146	160	147

Contains the cost of the unclassified and classified computer security programs. It is assumed that a subcontractor will be performing the classified computer security with oversight from Bechtel Jacobs Company, and the Bechtel Jacobs Company will perform the unclassified computer security.

Personnel Security	91	91	86

Includes the operation of the Visitor Control Program, review of all security clearance requirements and access determinations. This function is currently being conducted by a Bechtel Jacobs employee.

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
Total, Oak Ridge	**21,860**	**20,996**	**21,333**

Explanation of Funding Changes From FY 2001 to FY 2002

	FY 2002 vs. FY 2001 ($000)
OR-SS4-D / ETTP Safeguards and Security	
# No significant change (0.4 percent).	41
OR-SS5-D / Paducah Safeguards and Security	
# Increase in funding provides escorts for projects, specifically, yard construction and decontamination and decommissioning projects.	238
OR-SS6-D / Portsmouth Safeguards and Security	
# No significant change (0.8 percent).	58
Total Funding Change, Oak Ridge	337

Ohio

Mission Supporting Goals and Objectives

Program Mission

The mission of the Defense Environmental Restoration and Waste Management, Safeguards and Security program carried out by the Ohio Field Office, is to provide general security, physical security, and cyber-security for the West Valley Demonstration Project in accordance with all applicable DOE standards, rules, and regulations.

Program Goal

The program goal is to provide the West Valley Demonstration Project personnel a work environment secure from physical threats, and protection of electronic data management systems from disruption due to unauthorized users or intruders.

Program Objectives

The West Valley Demonstration Project security efforts are executed through administration and operation of a protective security force subject to annual training and qualification standards. Physical security is provided through a comprehensive lock and key system, remote closed-circuit television and alarm monitoring, area fencing and barrier protection. Cyber security is provided to ensure that all DOE unclassified information resources are identified and protected in a manner consistent with the Project's mission and possible threats.

Significant Accomplishments and Program Shifts

Not Applicable to the West Valley Demonstration Project.

Funding Schedule

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
OHWV-SS-D / West Valley Safeguards and Security	1,373	1,531	1,395
Total, Ohio	1,373	1,531	1,395

Funding by Site

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
West Valley	1,373	1,531	1,395	-136	-8.9%
Total, Ohio	1,373	1,531	1,395	-136	-8.9%

Site Description

West Valley

The West Valley Demonstration Project is located 35 miles south of Buffalo, New York. Originally built and commercially operated as a reprocessing plant for spent nuclear fuel, the site was shut down in 1972. The Department's primary mission at the site is to safely turn radioactive liquid into a manageable solid glass. The Department is also responsible for transporting the solidified waste to a Federal repository for permanent disposal; dispose of the Project-generated low-level and transuranic wastes; and decontaminate and decommission facilities used by the West Valley Demonstration Project according to requirements prescribed by the Nuclear Regulatory Commission.

Detailed Program Justification

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
OHWV-SS-D / Safeguards and Security	**1,373**	**1,531**	**1,395**
Physical Security	1,196	1,327	1,209
# Program Management - Includes supervisory personnel and administrative support.			
# Physical Protective Forces - Comprised of uniformed guard personnel.			
# Physical Security Protective Systems - Supports access control and offsite facility monitoring.			
Cyber Security	177	204	186
# Includes unclassified computer security and infrastructure.			
Total, Ohio	**1,373**	**1,531**	**1,395**

Explanation of Funding Changes From FY 2001 to FY 2002

	FY 2002 vs. FY 2001 ($000)
OHWV-SS-D / West Valley Safeguards and Security	
# Decrease in funding reflects funding of higher EM programmatic priorities.	-136
Total Funding Change, Ohio	-136

Richland

Mission Supporting Goals and Objectives

Program Mission

The mission of the Defense Environmental Restoration and Waste Management, Safeguards and Security program carried out by the Richland Operations Office, is to ensure appropriate levels of protection for Hanford facilities against: unauthorized access; theft or diversion of Special Nuclear Materials; acts of sabotage; espionage; theft or loss of classified matter; theft or loss of government property; and other hostile acts that may cause unacceptable impacts on national security or on the health and safety of employees, the public, or the environment.

Program Goal

The DOE/Richland Operations Office broadly defines the safeguards and security program performance expectations in the Fiscal Year Performance Expectation Plans for the applicable site contractors. The performance expectation plans provide the Richland Operations Office with a process and procedures for determining the level of "incentive" performance for safeguards and security for the fiscal year. The Safeguards and Security Fiscal Year Baseline Plan fully describes discrete deliverables assigned to safeguards and security. Sitewide DOE/Richland Operations Office planning priorities for safeguards and security are established during an annual meeting of Hanford safeguards and security management representatives and various safeguards and security customers.

Program Objectives

The objectives of the Safeguards and Security Program are to:

- Ensure a safe, secure, and environmentally sound work place for all employees, assuring the cost effective completion of work scope and deliverables, and compliance with safeguards and security requirements.
- Conduct and maintain the Hanford site safeguards and security program to protect spent nuclear materials, classified matter, personnel and the physical and intellectual property of the government and other clients in a manner consistent with the mission and government requirements.
- Conduct the Hanford site Nuclear Materials Management program to include the identification and reduction of excess nuclear materials.
- Continue to evaluate program protection strategies for adequate and effective management of risk rather than implementing only compliance driven requirements while continuing alignment of security measures to the operational needs of the site contractors.

Significant Accomplishments and Program Shifts

- The site contractors have continually met the safeguards and security milestones and deliverables as established by the DOE/Richland Operations Office, Office of Security and Emergency Services, and applicable Headquarters offices.
- This budget is prepared on a comparable basis. However, in prior years, the "Cost of Work" program was supported through overhead expenses. In FY 2001, the funds to support this program were appropriated in the Departmental Administration's budget and in FY 2002, funding is requested in the EM budget.

Funding Schedule

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
RL-SS-D / Hanford Safeguards and Security	49,489	53,036	51,544
Total, Richland	49,489	53,036	51,544

Funding by Site

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Flour Hanford	37,603	42,468	40,684	-1,784	-4.2%
Pacific Northwest National Laboratory	11,000	9,579	8,726	-853	-8.9%
Richland Operations Office	886	989	2,134	1,145	115.8%
Total, Richland	49,489	53,036	51,544	-1,492	-2.8%

Site Description

Richland Operations Office

The Richland Operations Office provides oversight for the Hanford Site and Pacific Northwest National Laboratory. The Hanford Site (358,388 acres) is located in southeastern Washington state just north of Richland. The current safeguards and security mission of the Hanford site (including support to the Office of River Protection) focuses on the appropriate levels of protection for Hanford facilities against: unauthorized access; theft or diversion of spent nuclear materials; acts of sabotage; espionage; theft or loss of classified matter; theft or loss of government property; and other hostile acts that may cause unacceptable impacts on national security; or on the health and safety of employees, the public, or the environment.

Detailed Program Justification

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
RL-SS-D / Hanford Safeguards and Security	**49,489**	**53,036**	**51,544**
Physical Security	44,208	47,491	46,194

- **#** Physical Protection Protective Forces: The Hanford Patrol armed protective force protects against the loss of spent nuclear fuel, classified matter, and other adversarial acts as defined in the FY 1999 Design Basis Threat. Protective force members maintain training and qualification standards required by DOE Order 5632.7A, Protective Force Program, and Title 10, Code of Federal Regulations, Part 1046, Physical Protection of Security Interests. Protective force coverage is proved on a 24-hour basis for the following Hanford Site programs: Nuclear Material Stabilization, Spent Nuclear Fuel, Waste Management, River Protection, River Corridor, and Pacific Northwest National Laboratory. The Benton County Sheriff's Office provides law enforcement support to DOE-Richland Operations Office. The office is responsible for all criminal investigations, as well as traffic enforcement.
- **#** Physical Security Protection Systems: This program ensures compliance with requirements established in DOE Order 407.1, Safeguards and Security Program, DOE M 5632.1C-1, Manual for Protection and Control of Safeguards and Security Interests, and RLID 473.1, Protection of Safeguards and Security Interests. Activities include conducting vulnerability and risk assessments; installation and maintenance of security sensors, alarm reporting, and communications systems, and automated access control equipment; security clearance processing and site badging; foreign visits and assignments administration; and providing safeguards and security guidance to managers and employees in facilities that store spent nuclear material, nuclear waste, firearms, classified matter, or other government property.
- **#** Information Security: This activity encompasses information protection, declassification/classification, critical infrastructure, technical surveillance countermeasures, and operations security. Oversight and administration of these programs protect critical, sensitive, and essential mission data. This includes managing each program; providing training and education; enforcing compliance; ensuring information integrity; protecting information from intruders; and detecting unauthorized access.
- **#** Material Control and Accountability: This activity is responsible for the oversight and accountability of all reportable nuclear materials. The material control staff: maintains the central accounting records; administers the tamper-indicating device program; monitors material control indicators; evaluates measurements and measurement control; investigate anomalies; respond to emergencies; perform internal assessments; and support International Atomic Energy Agency inspections.

(dollars in thousands)

FY 2000	FY 2001	FY 2002

Program Management: This program ensures the protection and control of DOE/client assets through: effective planning; professional development and training of safeguards and security staff; inspections, surveys or assessments; resource planning and implementation for safeguards and security; policy oversight; management and administration; responses to management requests; classified tracking program; and foreign ownership, control, or influence. Program Management is also responsible for the development of the Site Safeguards and Security Plan.

Cyber Security	1,987	2,396	2,319

This activity administers an unclassified computer security program, classified computer security, communications security, TEMPEST, and cyber infrastructure. Oversight and administration of these programs protect critical, sensitive, and essential mission data. This includes managing each subcategory; providing training and education; enforcing compliance, ensuring data integrity; protecting systems from intruders; and detecting unauthorized access.

Personnel Security	3,294	3,149	3,031

The Personnel Security staff conducts pre-employment and pre-clearance suitability investigations on current and prospective employees of Project Hanford and employees of other subcontractors performing support work. In addition, Personnel Security coordinates all security clearance activities and investigations required for contractor employees including requests, justifications, downgrading and terminating security clearances. This program also supports access authorization for clearance program processing, security awareness training, and visit control.

Total, Richland	**49,489**	**53,036**	**51,544**

Explanation of Funding Changes From FY 2001 to FY 2002

	FY 2002 vs. FY 2001 ($000)
RL-SS-D / Hanford Safeguards and Security	
# No significant change (2.8 percent).	-1,492
Total Funding Change, Richland	-1,492

Savannah River

Mission Supporting Goals and Objectives

Program Mission

The mission of the Defense Environmental Restoration and Waste Management, Safeguards and Security program carried out by the Savannah River Operations Office, is to support national security interests through the protection of the Savannah River Site nuclear weapons materials, production facilities, property and classified matter from left, sabotage, or unauthorized control.

Program Goal

The program goal is to protect against: unauthorized access, loss, or theft of classified matter or government property; espionage; theft, diversion or loss of custody or destruction of special nuclear material; any other hostile acts that may cause unacceptable adverse impacts on national security of the health and safety of employees, the public, and the environment.

Program Objectives

The objective of the Savannah River Site Safeguards and Security Program is to conduct these varied mission responsibilities with a constant concern for protecting the health, welfare, and safety of employees, the public, and preserve our natural environment.

Significant Accomplishments and Program Shifts

This budget is prepared on a comparable basis. However, in prior years, the "Cost of Work" program was supported through overhead expenses. In FY 2001, the funds to support this program were appropriated in the Departmental Administration's budget and in FY 2002, funding is requested in the EM budget.

Funding Schedule

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
SR-SS-D / Savannah River Safeguards and Security	85,325	89,833	94,225
Total, Savannah River	85,325	89,833	94,225

Funding by Site

(dollars in thousands)

	FY 2000	FY 2001	FY 2002	$ Change	% Change
Savannah River Site	85,325	89,833	94,225	4,392	4.9%
Total, Savannah River	85,325	89,833	94,225	4,392	4.9%

Site Description

Savannah River Operations Office

The Savannah River Site complex covers 198,344 acres located approximately 25 miles southeast of Augusta, Georgia, in the state of South Carolina. The Savannah River Site encompasses 13 separate areas; five isotope production areas, which are permanently shutdown; heavy water processing facilities; chemical processing and waste management facilities, including tank farm areas; administrative offices, laboratories, technical shops and provide for facilities, which support research and development associated with spent nuclear materials processing; and low-level waste disposal, reactor fuels, and solid waste disposal areas along with the Defense Waste Processing Facility. The site supports the processing of certain offshore nuclear materials returned for processing and disposal. Those Savannah River Site facilities which are actively conducting nuclear material operations are sited in material access and property protection areas requiring graded physical security measures, including armed guards and electronic detection of assessment systems.

Detailed Program Justification

(dollars in thousands)

	FY 2000	FY 2001	FY 2002
SR-SS-D / Savannah River Safeguards and Security	**85,325**	**89,833**	**94,225**
Physical Security	79,822	83,985	88,091

Supports uniformed protective force personnel which include armed security policy officers II, Central Alarm Station specialists and unarmed security officers, operations security specialists, lieutenants, and zone security managers assigned to support physical security specialists, lieutenants, and zone security managers assigned to support physical security requirements. Also, includes low enforcement/general site security, aviation operations, and special response teams. In addition, includes operating and maintenance activities associated with performance testing, intrusion detection and assessment; barrier/secure storage/locks; entry control/access controls; explosive detection; vital components and tamper safe monitoring; and escorts.

(dollars in thousands)

FY 2000	FY 2001	FY 2002

- # Supports a Canine Team to deter the introduction of explosives onto the site, patrol perimeters of security areas to compensate for temporary failures of intrusion detection systems or during periods of increased security awareness, and locate suspected intruders or adversaries in buildings or in areas affording concealment.
- # Supports forensic capability to focus in the areas of unauthorized disclosures of classified information and unauthorized penetrations of information systems. Savannah River provides a laboratory capability to conduct forensic activities on Departmental information systems, in accordance with the Department of Justice guidelines. Provides support associated with classified documents and material, classification and declassification, unclassified controlled nuclear information, security infractions, critical infrastructure, information protection, technical surveillance countermeasures and operations and security.
- # Supports materials accountability and control concepts, which will employ innovative electronic surveillance of nuclear material, state-of-the-art measurement technology and best available data collection and data warehousing applications. Includes activities associated with control and accountability of special nuclear materials, nuclear weapons, test devices, and weapons components and parts, materials control and accountability access area, surveillance, containment, detection, assessment, testing, transfers, verifications and measurements, inventories, reconciliation, and statistical analysis.
- # Supports activities incurred through research and/or the systematic development of technologies for use in physical security, material control and accounting, information security, and personnel security. This encompasses any activities that are required for a technology to progress from basic research to full scale development and the technology transfer of a product to a commercial vendor, to include any modification of proven technologies to satisfy safeguards and security requirements.
- # Supports the Protective Force Assessment Program and the Performance Testing Program. Conducts order compliance and performance based assessments and audits safeguards and security systems, and protective force operations for compliance with prescriptive requirements, costs effectiveness, and safe execution of operations. Manages all programs and functions relating to accounting, contracts, and resources, procurement, computer services, office services, logistics, compensation and benefits, employee relations and labor relations. Supports policy oversight and management and administrations. Responds to management requests and foreign ownership, control or influence.

Cyber Security	2,384	2,542	2,367

- # Ensures that sensitive and classified information that is electronically processed or transmitted is properly identified and protected, and that electronic systems are appropriately marked and protected through a process of planning, documenting, implementing, and testing of protective strategies. Included are, but not limited to, testing a cyber security program that supports classified automated information systems, communications security, TEMPEST and the maintenance of an appropriate level of infrastructure reliability and integrity.

	(dollars in thousands)		
	FY 2000	FY 2001	FY 2002
Personnel Security	3,119	3,306	3,767

Ensures implementation of DOE policies and directives pertaining to personnel security, which includes: security education; provision of expert technical and administrative support for Savannah River Personnel Security activities. This includes the programmatic areas of the access authorization, personnel security assurance program, safeguards and security awareness, special access program, site/facility access program, and control of visits and the Savannah River Foreign ownership.

Total, Savannah River	**85,325**	**89,833**	**94,225**

Explanation of Funding Changes From FY 2001 to FY 2002

	FY 2002 vs. FY 2001 ($000)
SR-SS-D / Savannah River Safeguards and Security	
# Increase in funds reflects additional protective force staffing access control functions for the Savannah River Technology Center, purchase of capital equipment items and/or general plant project requirements.	4,392
Total Funding Change, Savannah River	4,392